

PATENT ABSTRACTS OF JAPAN

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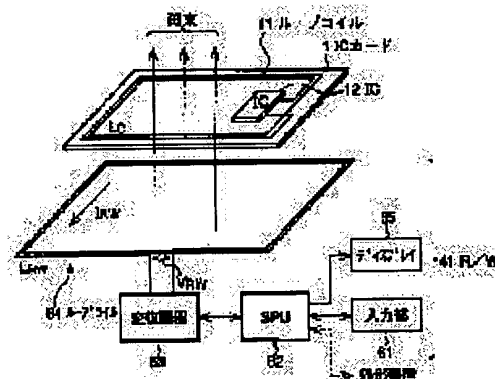
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(54) DATA PROCESSOR AND ITS METHOD, TRANSMITTING/RECEIVING DEVICE AND ITS METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To execute communication by a high communication rate while keep ing occupation band width narrow.

SOLUTION: SPU(signal processing unit) 62 of R/W(reader/writer) 41 BPSK (biphase shift keying) modulates data to be transmitted and, after that, outputs the modulating signal to a modulator/demodulator 63. The modulator/ demodulator 63 ASK-modulates the modulating signal and outputs it to a loop coil 64. The loop coil 64 generates a magnetic field corresponding to supplied modulation wave. An IC card 1 converts a part of the magnetic field radiated from RAW 41 into an electric signal by the loop coil 11, generates a power source from the electric signal and also extracts transmitted data. When data is transmitted to RAW 41, the load of the loop coil 11 is fluctuated in accordance with the data. Then, RAW 41 detects the load fluctuation of the loop coil in the IC card 1 which is magnetically connected by the loop coil 64.



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